	Application No.	Applicant(s)
Notice of Allowability	10/584,693	CHU, RAYMOND R.
	Examiner	Art Unit
	William C. Choi	2873
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate comm GHTS. This application is:	n this application. If not included unication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>amendment filed 10/2</u>	<u>25/2007</u> .	
2. The allowed claim(s) is/are <u>1-17,19,20 and 22-30</u> .		
 Acknowledgment is made of a claim for foreign priority until a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents 	been received. been received in Application	on No
International Bureau (PCT Rule 17.2(a)).		•
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT		
Attachment(s)	5 □ Notice of Ir	nformal Patent Application
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413);
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No.	./Mail Date <u>20080111</u> . s Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowance
of Biological Material	9.	

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Morrison Ulman on January 11, 2008.

The application has been amended as follows:

1. In claim 29, line 6, delete "fineness" and insert therein --finesse--.

All claims pending thus being allowable, prosecution on the merits is closed in this application. A statement of the examiner's reasons for allowance is provided in the paragraphs, which follow below.

REASONS FOR ALLOWANCE

Claims 1-17, 19, 20 and 22-30 are allowed.

The instant application is deemed to be directed to a nonobvious improvement over the invention of Koulikov et al (U.S. 6,792,010 B2), as being a representative example in the art to which the instant invention pertains. In particular, the primary reason for allowance is directed to said external cavity tunable laser comprising a combination of an Acousto-optical frequency-tuning device including a first and second

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Acousto-optical diffraction means and an etalon to increase a side-mode suppression ratio of said laser (Claim 1, lines 3-4 & 6-8), or a combination of an Acousto-optical frequency-tuning device and a reflection means for generating an optical beam with zero-wavelength shift and at least twice filtered by said Acousto-optical cell and an etalon having a finesse greater than or equal to 10 (Claim 19, lines 2-3, 5-6 and 12), or said eternal cavity tunable laser, and method of tuning, comprising a combination of a frequency-tuning device configured as a non-collinear Acousto-optical cell having an acoustic wave propagates almost perpendicular to an optical transmission therethrough and an etalon (Claim 28, lines 3-7 & Claim 29, lines 2-6), which in the examiner's opinion, would not have been obvious to one of ordinary skill in the art.

The prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of applicant's independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The claimed invention is therefore considered to be in condition for allowance as being novel and nonobvious over prior art.

OTHER REMARKS/INFORMATION

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (571) 272-2324. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

W-C

William Choi Patent Examiner Art Unit 2873 January 11, 2008